

From: [Drake, Kerry](#)
To: [biering@ammcglaw.com](#); [gwilley@co.slo.ca.us](#); [lallen_apcd@co.slo.ca.us](#)
Cc: [richard.corey@arb.ca.gov](#); [Magliano, Karen@ARB](#); [Lakin, Matt](#); [Steckel, Andrew](#); [Kurpius, Meredith](#); [Vallano, Dena](#); [Jordan, Deborah](#); [Spiegelman, Nina](#); [Christenson, Kara](#); [Zimpfer, Amy](#); [LEVIN, NANCY](#); [rcorey@arb.ca.gov](#)
Subject: Letter to Larry Allen regarding Oceano Dunes.
Date: Wednesday, April 15, 2015 3:02:36 PM
Attachments: [04-15-2015 Allen_SLO.pdf](#)

Hi All,

Attached please see a letter from Deborah Jordan to Larry Allen regarding control of emissions from Oceano Dunes.

Thanks,
Kerry Drake
Associate Director, Air Division
U.S. EPA, Region 9
415-947-4157

From: ktupper@co.slo.ca.us
To: [Clover, Fletcher](#); [Kurpius, Meredith](#); [Vallano, Dena](#); gsweiger@arb.ca.gov; [Jordan, Deborah](#)
Cc: aarlingenet@co.slo.ca.us; jacontreras@co.slo.ca.us
Subject: CY 2014 Data Certification for San Luis Obispo APCD
Date: Tuesday, April 07, 2015 4:41:38 PM
Attachments: [Coverletter-signed.pdf](#)
[AMP600-signed.pdf](#)
[AMP450NC_040715.pdf](#)

Dear Ms. Jordan,

Please find attached the data certification package for CY 2014 for the San Luis Obispo County Air Pollution Control District. A signed cover, signed AMP600 report, and an AMP450NC report are attached to this email. Please contact me if you or your staff have any questions or issues. This is being submitted via this email only; if you require a hard copy please let me know.

Thank You,

Karl A Tupper
Air Quality Specialist, Monitoring
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ph: 805.781.5912
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web: www.slocleanair.org

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From: [Vallano, Dena](#)
To: ktupper@co.slo.ca.us
Subject: Additional info on 2014-2015 State Parks FEM-based PM10 monitoring?
Date: Thursday, October 16, 2014 10:44:00 AM

Hi Karl,

I'm reviewing the 2014 ANP and have a quick question related to the non-network FEM-based PM10 monitoring by the State Parks anticipated for December 2014. Do you have any more info that you can share about this effort – like a monitoring plan or something similar?

Thanks!
Dena

Dena Vallano, PhD
ORISE Research Fellow
Office of Research and Development/Air Quality Analysis Office
U.S. EPA, Region 9
Phone: 415.972.3134
Email: vallano.dena@epa.gov

mailing address:
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San Francisco, CA 94105

From: [Vallano, Dena](#)
To: ktupper@co.slo.ca.us
Cc: kstroud@arb.ca.gov; gqilani@arb.ca.gov; [YOSHIMURA, GWEN](#)
Subject: RE: Additional info on 2014-2015 State Parks FEM-based PM10 monitoring?
Date: Wednesday, October 29, 2014 5:44:00 PM

Thanks for the additional information, Karl. I'm cc'ing Ken and Greg from CARB so they are also aware of the data sharing plans.

Best,
Dena

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From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]
Sent: Wednesday, October 29, 2014 1:57 PM
To: Vallano, Dena
Subject: RE: Additional info on 2014-2015 State Parks FEM-based PM10 monitoring?

State Parks PM10 monitoring is for compliance with the Districts Rule 1001. This rule does not say anything about an end date for monitoring. Presumably, once PM10 levels measured downwind of the riding area (i.e. at CDF) look "the same" as PM10 levels measured downwind of the control site (i.e. the new site we're talking about), then the Rule will have been satisfied, and--subject to APCO approval--the control site monitoring could stop. At least, that my understanding of it. So we're talking years, not months.

The text for Rule 1001 is here:
<http://www.slocleanair.org/images/cms/upload/files/air/pdf/2011/RULE1001.pdf> . The rule itself is informed by ARB's PM10 standard of 50 ug/m3.

As for data sharing: We are definitely planning to share the data with everyone: ARB, EPA, the public. We are hoping to poll the station in real time, and if we achieve that, then maybe we can work with ARB to submit the data to AQMIS. We may also be able to submit it to AirNow. We are not currently planning to submit to AQS. If we don't get real time data, but instead receive excel files from Parks or something, then we will of course share these with ARB and EPA.

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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 10/29/2014 01:32PM
Subject: RE: Additional info on 2014-2015 State Parks FEM-based PM10 monitoring?

Hi Karl,

I have a couple follow-up questions for you on the State Parks PM10 monitoring:

1. I know you mentioned there's no official monitoring plan yet, but do you have a general sense for the duration of the monitoring study – months, over a year, etc?
2. Can you share the data with us and ARB as it becomes available?

Thanks and hope all is well!
Dena

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From: Vallano, Dena
Sent: Thursday, October 16, 2014 5:33 PM
To: 'ktupper@co.slo.ca.us'
Subject: RE: Additional info on 2014-2015 State Parks FEM-based PM10 monitoring?

Thanks Karl – this is very helpful. Please keep us updated as you receive more info on the effort!

Dena

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From: ktupper@co.slo.ca.us [<mailto:ktupper@co.slo.ca.us>]
Sent: Thursday, October 16, 2014 11:01 AM
To: Vallano, Dena
Subject: Re: Additional info on 2014-2015 State Parks FEM-based PM10 monitoring?

Short, quick answer is no, not yet--at least not anything official and definitely no monitoring plan yet. Our Rule 1001 requires them to have their monitoring in place by May 31, 2015. They need a control site and riding site. The unofficial plan is to use CDF as the riding site monitor and establish a control site on the ODSRVA, downwind of a non-riding area and approximately the same distance from the shore as CDF. I don't think there is a formal proposal yet, but what's being talked about is putting the monitoring approximately at 35.00 -120.60--this in the southeast corner of State Parks property. It will likely be run on solar and it will be a BAM 1020 FEM.

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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 10/16/2014 10:44AM
Subject: Additional info on 2014-2015 State Parks FEM-based PM10 monitoring?

Hi Karl,

I'm reviewing the 2014 ANP and have a quick question related to the non-network FEM-based PM10 monitoring by the State Parks anticipated for December 2014. Do you have any more info that you can share about this effort – like a monitoring plan or something similar?

Thanks!
Dena

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From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Subject: Follow-up on State Parks PM10 monitoring
Date: Wednesday, January 14, 2015 5:21:00 PM

Karl,

My apologies for the overdue response, but I finally was able confer with the monitoring team regarding your questions on the State Parks PM10 monitoring:

1. Would EPA require SLO to submit data to AQS?
 - We would like you to send us (AQAO) the monitoring data, but you are *not* required to submit data to AQS.
2. If over 2 years of monitoring, would the monitor be classified as a SPM or SLAMS? Would it need to meet App. A?
 - If the monitor runs as an SPM for over 2 years, the instrument would have to be a non-FEM or modified-FEM to avoid a regulatory classification. But regardless, it should meet App A. Do you know what instrument/method they are planning to use?

Thanks and let me know if you have any follow up questions!

Dena

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From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: Re: Follow-up on State Parks PM10 monitoring
Date: Friday, January 16, 2015 9:37:59 AM

Thanks Dena! They are planning to deploy a BAM-1020, so it'll be an unmodified FEM.

Karl A Tupper
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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/14/2015 05:22PM
Subject: Follow-up on State Parks PM10 monitoring

Karl,

My apologies for the overdue response, but I finally was able confer with the monitoring team regarding your questions on the State Parks PM10 monitoring:

1. Would EPA require SLO to submit data to AQS?

- We would like you to send us (AQAO) the monitoring data, but you are *not* required to submit data to AQS.

2. If over 2 years of monitoring, would the monitor be classified as a SPM or SLAMS?
Would it need to meet App. A?

- If the monitor runs as an SPM for over 2 years, the instrument would have to be a non-FEM or modified-FEM to avoid a regulatory classification. But regardless, it should meet App A. Do you know what instrument/method they are planning to use?

Thanks and let me know if you have any follow up questions!

Dena

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From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US; jacontreras@co.slo.ca.us
Cc: [YOSHIMURA, GWEN](#)
Subject: 2015 Network Assessment
Date: Wednesday, March 11, 2015 4:49:00 PM

Jaime and Karl,

As you work on your 2015 network assessment, I wanted to check in on some relevant issues that we suggest including in your evaluation. Generally, the assessment should consider whether minimum numbers of monitors are appropriate to meet, as well as whether the placement of these monitors ensures that the network is adequate to meet your monitoring objectives (and especially the objective of determining compliance with the NAAQS). Specifically, we suggest that you include discussion of network adequacy related to the sites monitoring PM emissions from the dunes (CDF, Mesa, Nipomo) in terms of current and anticipated mitigation measures, whether the siting of these monitors is appropriate and meets the Appendix D "expected maximum concentration" requirement. Thank you and please let me know if you have any questions, concerns, or would like further clarification.

Looking forward to seeing you both in May,

Dena

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From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Cc: jacontreras@co.slo.ca.us; [YOSHIMURA, GWEN](#)
Subject: Re: 2015 Network Assessment
Date: Thursday, March 12, 2015 1:54:19 PM

Jaime and Karl,

As a quick follow-up, I've learned that R9 is preparing a response letter to a Dec 11, 2014 CCCA request to our division director that EPA "help expeditiously reduce potential health impacts of PM10 emissions" in SLO. As a component of this response letter, we'd like to include a few sentences noting that network adequacy will be addressed in the upcoming Network Assessment. Would including the following in the letter be ok with you?

"Annual monitoring network assessments are required to be submitted in July 2015 by state and local air monitoring agencies. The network assessment is expected to consider whether minimum numbers of monitors are appropriate to meet, as well as whether the placement of these monitors ensures that the network is adequate to meet, the agencies' monitoring objectives (and especially the objective of determining compliance with the NAAQS). Our conversations with the District indicate that they intend to address network adequacy of the sites monitoring PM10 concentrations associated with the dunes (CDF, Mesa, Nipomo) in terms of current and anticipated mitigation measures, whether the siting of these monitors is appropriate, and whether the siting meets the Appendix D "expected maximum concentration" requirement."

Thank you,
Dena

Dena Vallano, PhD
ORISE Research Fellow
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Air Division, U.S. EPA
75 Hawthorne St. AIR-7
P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Thursday, March 12, 2015 8:39 AM
To: KTUPPER@CO.SLO.CA.US
Cc: jacontreras@co.slo.ca.us; Vallano, Dena; YOSHIMURA, GWEN
Subject: Re: 2015 Network Assessment

Sorry. I meant, "Thanks Dena." I was just discussing an email from Gwen, so her name must have been stuck in my brain.

Karl A Tupper
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-----Karl Tupper/APCD/COSLO wrote: -----

To: Vallano.Dena@epa.gov
From: Karl Tupper/APCD/COSLO
Date: 03/12/2015 08:37AM
Cc: Jaime Contreras/APCD/COSLO@Wings, Yoshimura.Gwen@epa.gov
Subject: Re: 2015 Network Assessment

Thanks Gwen. Will do.

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
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email: ktupper@co.slo.ca.us
web: www.slocleanair.org

-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>,
"jacontreras@co.slo.ca.us" <jacontreras@co.slo.ca.us>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 03/11/2015 04:49PM
Cc: "YOSHIMURA, GWEN" <Yoshimura.Gwen@epa.gov>
Subject: 2015 Network Assessment

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Looking forward to seeing you both in May,

Dena

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To: KTUPPER@CO.SLO.CA.US
Cc: jacontreras@co.slo.ca.us; [Vallano, Dena](#); [YOSHIMURA, GWEN](#)
Subject: Re: 2015 Network Assessment
Date: Thursday, March 12, 2015 8:39:32 AM

Sorry. I meant, "Thanks Dena." I was just discussing an email from Gwen, so her name must have been stuck in my brain.

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Date: 03/11/2015 04:49PM
Cc: "YOSHIMURA, GWEN" <Yoshimura.Gwen@epa.gov>
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To: KTUPPER@CO.SLO.CA.US
Cc: jacontreras@co.slo.ca.us; [YOSHIMURA, GWEN](#)
Subject: Re: 2015 Network Assessment
Date: Thursday, March 12, 2015 9:10:48 AM

No worries! :)

Dena Vallano, PhD
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P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Thursday, March 12, 2015 8:39 AM
To: KTUPPER@CO.SLO.CA.US
Cc: jacontreras@co.slo.ca.us; Vallano, Dena; YOSHIMURA, GWEN
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To: [Vallano, Dena](mailto:Vallano.Dena)
Cc: jacontreras@co.slo.ca.us; [YOSHIMURA, GWEN](mailto:YOSHIMURA_GWEN); aarlingenet@co.slo.ca.us
Subject: Re: 2015 Network Assessment
Date: Friday, March 13, 2015 8:18:35 AM

Hi Dena,

This sounds reasonable. We do not have any objections to this language.

Karl

Karl A Tupper
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Date: 03/12/2015 01:54PM
Cc: "jacontreras@co.slo.ca.us" <jacontreras@co.slo.ca.us>, "YOSHIMURA, GWEN" <Yoshimura.Gwen@epa.gov>
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Jaime and Karl,

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Subject: Re: 2015 Network Assessment

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Date: 03/12/2015 08:37AM
Cc: Jaime Contreras/APCD/COSLO@Wings, Yoshimura.Gwen@epa.gov
Subject: Re: 2015 Network Assessment

Thanks Gwen. Will do.

Karl

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email: ktupper@co.slo.ca.us
web: www.slocleanair.org

-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>,
"jacontreras@co.slo.ca.us" <jacontreras@co.slo.ca.us>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 03/11/2015 04:49PM
Cc: "YOSHIMURA, GWEN" <Yoshimura.Gwen@epa.gov>
Subject: 2015 Network Assessment

Jaime and Karl,

As you work on your 2015 network assessment, I wanted to check in on some relevant issues that we suggest including in your evaluation. Generally, the assessment should consider whether minimum numbers of monitors are appropriate

to meet, as well as whether the placement of these monitors ensures that the network is adequate to meet your monitoring objectives (and especially the objective of determining compliance with the NAAQS). Specifically, we suggest that you include discussion of network adequacy related to the sites monitoring PM emissions from the dunes (CDF, Mesa, Nipomo) in terms of current and anticipated mitigation measures, whether the siting of these monitors is appropriate and meets the Appendix D "expected maximum concentration" requirement. Thank you and please let me know if you have any questions, concerns, or would like further clarification.

Looking forward to seeing you both in May,

Dena

Dena Vallano, PhD
ORISE Research Fellow
Office of Research and Development/Air Quality Analysis Office
U.S. EPA, Region 9
Phone: 415.972.3134
Email: vallano.dena@epa.gov

mailing address:
U.S. Environmental Protection Agency
Air Quality Analysis Office (AIR-7)
75 Hawthorne Street
San Francisco, CA 94105

[Scanned @co.slo.ca.us]

[Scanned @co.slo.ca.us]

From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Subject: PM10 2014 data summary and presentation?
Date: Friday, January 30, 2015 11:27:00 AM

Hi Karl,

Meredith has asked me to give her an update on the latest 2014 PM10 info – do you have a sense for what 2014 is looking like at CDF so far? If SLO has any materials already prepared on the issue, that would also be very helpful.

On the same note, would you be willing and able to travel up to our office to give a presentation and have a couple meetings on the PM10 dunes issue with our staff and management? If so, we'd likely be aiming for early Spring timeline. Please let me know if you'd like any further details on this request. I'm taking off for the day shortly, but am happy to chat over the phone next week if helpful.

Thanks and Happy Friday,

Dena

Dena Vallano, PhD
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mailing address:
U.S. Environmental Protection Agency
Air Quality Analysis Office (AIR-7)
75 Hawthorne Street
San Francisco, CA 94105

From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: Re: PM10 2014 data summary and presentation?
Date: Friday, January 30, 2015 11:51:36 AM

Hi Dena,

We do not have official, final numbers for CDF yet (Jaime is currently working on validating December) but check out this link for an unofficial tally of state and federal PM10 and PM2.5 exceedences at this site:

<http://www.slocleanair.org/images/cms/upload/files/APCDResponseToCCC-1-12-15-Ltr.pdf>

This link is a letter that our APCO recently sent the Coastal Commission in response to questions they had regarding the dust issue and State Parks' efforts to mitigate. You may find other information in the letter informative, as well.

I am always happy to go to SF to meet with EPA. Obviously I will need the approval of my management, and depending on what you want to hear about, I may not be the best person. But I don't expect any problems. Let me know when you are thinking, and what you'd like to hear about, and we can take it from there.

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
Air Pollution Control District
County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org

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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/30/2015 11:27AM
Subject: PM10 2014 data summary and presentation?

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Dena Vallano, PhD

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mailing address:

U.S. Environmental Protection Agency

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75 Hawthorne Street

San Francisco, CA 94105

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From: [Vallano, Dena](#)
To: ktupper@co.slo.ca.us
Subject: RE: PM10 2014 data summary and presentation?
Date: Wednesday, February 04, 2015 3:07:00 PM

Thanks Karl! Ok, I'll circle back with Meredith on the SF visit and provide some more details hopefully by next week (and we can also discuss during the site visit next Friday).

Talk soon,
Dena

Dena Vallano, PhD
ORISE Research Fellow
Office of Research and Development/Air Quality Analysis Office
U.S. EPA, Region 9
Phone: 415.972.3134
Email: vallano.dena@epa.gov

mailing address:
U.S. Environmental Protection Agency
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75 Hawthorne Street
San Francisco, CA 94105

From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]
Sent: Friday, January 30, 2015 11:51 AM
To: Vallano, Dena
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Thanks and Happy Friday,

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San Francisco, CA 94105

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From: [Flagg, MichaelA](#)
To: KTUPPER@CO.SLO.CA.US
Cc: [Vallano, Dena](#); [Williams, Jennifer](#)
Subject: PM10 Design Value for CDF Site
Date: Wednesday, January 22, 2014 3:15:49 PM

Hi Karl, hope you are doing well.

I have, hopefully, a quick question for you.

Have you calculated an expected exceedance design value for the CDF site that combines both the TEOM and BAM data into a single record?

Let me know.

Thanks!

Michael Flagg
EPA Region 9
Air Quality Analysis Office
P: 415.972.3372
E: Flagg.MichaelA@epa.gov

From: ktupper@co.slo.ca.us
To: [Flagg, MichaelA](#)
Cc: [Vallano, Dena](#); [Williams, Jennifer](#)
Subject: RE: PM10 Design Value for CDF Site
Date: Wednesday, January 22, 2014 4:33:53 PM

Thanks Mike!

Karl A Tupper
Air Quality Specialist, Monitoring
Air Pollution Control District
County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Flagg, MichaelA" <Flagg.MichaelA@epa.gov>
Date: 01/22/2014 04:14PM
Cc: "Vallano, Dena" <Vallano.Dena@epa.gov>, "Williams, Jennifer" <Williams.Jennifer@epa.gov>
Subject: RE: PM10 Design Value for CDF Site

I just ran the numbers and the combined design value for the CDF site for 2010-2012 is 2.0, which is violating the NAAQS of 1.0.

Let me know if you have questions.

Michael Flagg

EPA Region 9

Air Quality Analysis Office

P: 415.972.3372

E: Flagg.MichaelA@epa.gov

From: Flagg, MichaelA
Sent: Wednesday, January 22, 2014 3:40 PM
To: KTUPPER@CO.SLO.CA.US
Cc: [Vallano, Dena](#); [Williams, Jennifer](#)
Subject: RE: PM10 Design Value for CDF Site

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I am taking a look at the data now and calculating a combined design value for 2010-2012. I will let you know the final number when I get through the calculation.

Thanks again!

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EPA Region 9

Air Quality Analysis Office

P: 415.972.3372

E: Flagg.MichaelA@epa.gov

From: ktupper@co.slo.ca.us [<mailto:ktupper@co.slo.ca.us>]

Sent: Wednesday, January 22, 2014 3:38 PM

To: Flagg, MichaelA

Cc: Vallano, Dena; Williams, Jennifer

Subject: Re: PM10 Design Value for CDF Site

Not exactly, but we are under the impression that if TEOM and BAM data were combined then we'd be in violation of the standard.

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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Flagg, MichaelA" <Flagg.MichaelA@epa.gov>
Date: 01/22/2014 03:16PM
Cc: "Vallano, Dena" <Vallano.Dena@epa.gov>, "Williams, Jennifer" <Williams.Jennifer@epa.gov>
Subject: PM10 Design Value for CDF Site

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From: [Flagg, MichaelA](mailto:Flagg.MichaelA@epa.gov)
To: KTUPPER@CO.SLO.CA.US
Cc: [Vallano, Dena](mailto:Vallano.Dena@epa.gov); [Williams, Jennifer](mailto:Williams.Jennifer@epa.gov)
Subject: RE: PM10 Design Value for CDF Site
Date: Wednesday, January 22, 2014 3:40:34 PM

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I am taking a look at the data now and calculating a combined design value for 2010-2012. I will let you know the final number when I get through the calculation.

Thanks again!

Michael Flagg
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From: "Flagg, MichaelA" <Flagg.MichaelA@epa.gov>
Date: 01/22/2014 03:16PM
Cc: "Vallano, Dena" <Vallano.Dena@epa.gov>, "Williams, Jennifer" <Williams.Jennifer@epa.gov>
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P: 415.972.3372
E: Flagg.MichaelA@epa.gov

[Scanned @co.slo.ca.us]

From: ktupper@co.slo.ca.us
To: [Flagg, MichaelA](#)
Cc: [Vallano, Dena](#); [Williams, Jennifer](#)
Subject: Re: PM10 Design Value for CDF Site
Date: Wednesday, January 22, 2014 3:38:06 PM

Not exactly, but we are under the impression that if TEOM and BAM data were combined then we'd be in violation of the standard.

In 2010 we ran a TEOM at CDF for the first 6 months of the year and a BAM for the last 3 months, with a 3 month gap in the middle. We recorded 1 federal exceedence that year, so our expected exceedences is somewhere between 1 and 2. Since then we've been running a BAM at CDF, and recorded no exceedences in 2011, 3 in 2012, and something like 2 in 2013. So the estimated exceedences for those years are probably like 0, 3.1, and 2.1 since we don't quite have 100% data completeness. So if the standard is to not to be exceeded more than 3 times in any 3 year period, then our understanding is that we do not attain it for 2010-2012 if BAM and TEOM data are combined.

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From: "Flagg, MichaelA" <Flagg.MichaelA@epa.gov>
Date: 01/22/2014 03:16PM
Cc: "Vallano, Dena" <Vallano.Dena@epa.gov>, "Williams, Jennifer" <Williams.Jennifer@epa.gov>
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To: KTUPPER@CO.SLO.CA.US
Cc: [Vallano, Dena](mailto:Vallano.Dena@epa.gov); [Williams, Jennifer](mailto:Williams.Jennifer@epa.gov)
Subject: RE: PM10 Design Value for CDF Site
Date: Wednesday, January 22, 2014 4:53:01 PM

Actually, I rechecked my calculations and the DV should be **1.4**

Sorry for the misinformation

Michael Flagg
EPA Region 9
Air Quality Analysis Office
P: 415.972.3372
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From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]
Sent: Wednesday, January 22, 2014 4:34 PM
To: Flagg, MichaelA
Cc: Vallano, Dena; Williams, Jennifer
Subject: RE: PM10 Design Value for CDF Site

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Cc: Vallano, Dena; Williams, Jennifer
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From: jacontreras@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: SLOAPCD Oceano Dunes studies
Date: Tuesday, February 17, 2015 8:55:25 AM

Hi Dena,

It was great to have you visit the area and our sites.

Below is the link to our website where you will find the complete Oceano Dunes PM studies done over the years.

- 2013 APCD Community Monitoring Project. I gave you a printed copy of the project's summary.
- 2011 APCD and SP Dust Mitigation Study
- 2010 South County Phase 2 PM Study
- 2005 South County Phase 1 PM Study
-

There site includes links to the SP Oceano Dunes Vegetation Project

<http://slocleanair.org/air/pmstudydata.php>

Dena, it was nice seeing you, let me know if you have any questions or if need other info.

Thanks!

Jaime

Jaime Contreras
Air Quality Specialist, Air Monitoring
Air Pollution Control District
County of San Luis Obispo
Office: 805.781.4668
Cell: 805-441-9332
Email: jacontreras@co.slo.ca.us
Web: www.slocleanair.org

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From: [Vallano, Dena](#)
To: jacontreras@co.slo.ca.us
Subject: RE: SLOAPCD Oceano Dunes studies
Date: Tuesday, February 17, 2015 4:42:00 PM

Thanks Jaime! It was great to visit and touch base with you last Friday and I appreciate you taking the time to show me around. I have a much better sense for the dunes monitoring because of the visit. And thanks for the link to the studies – I'll be following up with Meredith on the visit and will be in touch with any follow-up questions.

Hopefully, we can make another trip down in May-June.

Best,
Dena

Dena Vallano, PhD
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U.S. EPA, Region 9
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Email: vallano.dena@epa.gov

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Dena, it was nice seen you, let me know if you have any questions or if need other info.

Thanks!

Jaime

Jaime Contreras

Air Quality Specialist, Air Monitoring
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Web: www.slocleanair.org

[Scanned @co.slo.ca.us]

From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: this years ANP...
Date: Friday, March 20, 2015 1:50:58 PM

Dena,

I would like your input on some wording for our upcoming annual network plan. Specifically, I'm trying to figure out what to say about 1) the "control site monitor" that we are requiring State Parks to install downwind of a non-riding area, and 2) the H₂S monitor that we are requiring Freeport McMoran to install at their Price Canyon Oil field.

For the Introduction I have:

In 2015 we also anticipate that two new source-oriented monitoring stations will commence operation. First, the SLOCAPCD has required the operator of the Price Canyon Oilfield to begin ambient monitoring for hydrogen sulfide at the field, which is located between the cities of Pismo Beach and San Luis Obispo. Second, through local rule 1001, we have required the California Department of Parks and Recreation to establish a PM₁₀ monitor downwind of undisturbed, natural sand dunes within the Oceano Dunes State Vehicular Recreation Area (ODSVRA), a California State Park. The purpose of this monitor is to measure baseline, natural emissions. These measurements will be compared to PM₁₀ levels measured at our CDF monitoring station, which is located downwind of the part of the ODSVRA where off-highway vehicle activity occurs. Both sites will be operated by the permit holders (or their contractors), and both are required report raw data to the SLOCAPCD in real time and submit validated data in a timely fashion.

Then later I have a section called "Non-SLAMS Monitoring in San Luis Obispo County" which reads:

Oceano Dunes Monitoring

Frequent exceedences of the California Ambient Air Quality Standard for 24-hour PM₁₀ (50 mg/m³) are observed downwind of the ODSVRA on the Nipomo Mesa. To address these exceedences, the SLOCAPCD Board of Directors approved Coastal Dunes Dust Control Rule 1001. The rule requires, *inter alia*, that the ODSVRA operator (i.e., California State Parks) monitor PM₁₀ levels in at least two locations within or downwind of the ODSVRA: one downwind of an area where off-road vehicle activity is allowed ("riding area monitor"), and another downwind of a comparable area where off-road vehicle activity is not allowed ("control site monitor"). This monitoring is to be performed with continuous FEM monitors.

SLOCAPCD and the operator have agreed to use our CDF monitoring station as the riding area monitor. This site will continue to be operated by SLOCAPCD as a SLAMS. The operator is in the process of establishing the control site monitor within the ODSVRA. Rule 1001 requires this monitor to be operational and reporting data by May 31, 2015. It will be operated by a contractor, and raw data will be sent to SLOCAPCD in real-time. Validated data will be reviewed by the District, and we will upload the data to AQS. This site will be designated as special purpose monitor in AQS rather than as a SLAMS.

Also of note, in 2013 the operator conducted a PM₁₀ monitoring campaign within the ODSVRA using non-FEM, MetOne E-BAM monitors. The PM₁₀ levels observed within the ODSVRA were generally much higher than those recorded downwind at our CDF and Mesa2 SLAMS. Contractors for the operator also made several hundred emissivity measurements of the dune surface. Reports summarizing the results of these campaigns are available on the District website.[reference to webpage w reports].

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The Price Canyon Oil Field is located in Price Canyon between Pismo Beach and the Edna Valley wine region, just south of the City of San Luis Obispo. This area has long been plagued by odors emanating from the field. Therefore, as a condition of a permit for expanded oil field operations, SLOCAPCD is requiring on-site ambient hydrogen sulfide (H₂S) monitoring. This is anticipated to begin by June 2015. SLOCAPCD will have access to raw data in real-time, and validated data is to be provided to the District in a timely manner. There is currently no plan to submit this data AQS.

Any thoughts on this wording or the plan to call the control site monitor an SPM in AQS and not report the H2S monitor to AQS at all?

Thanks,
Karl

Karl A Tupper
Air Quality Specialist, Monitoring
Air Pollution Control District
County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org

[Scanned @co.slo.ca.us]

From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Subject: Re: this years ANP...
Date: Tuesday, March 24, 2015 10:41:25 AM

Hi Karl,

Overall, these look good. You've included some of these details already, but I would suggest adding any further information that you may have on specific instrumentation at the sites, timeline for installation and operation, and any additional location or site characteristic details. For sure, we wouldn't need the level of detail that comes with the regular site tables, but any information along these lines that you can add is great. Thank you for adding the info on data reporting/management for the monitors.

Yes, it is appropriate to call the control site monitor an SPM for now and then this would be revisited if the site is operating >2years. If the monitor runs as an SPM for over 2 years, the instrument would have to be a non-FEM or modified-FEM to avoid a regulatory classification. Also, it's ok not to report H2S monitor data in AQS since it's not a criteria pollutant.

Please let me know if you'd like any further clarification. Thanks!

Dena

Dena Vallano, PhD
ORISE Research Fellow
Air Quality Analysis Office
Air Division, U.S. EPA
75 Hawthorne St. AIR-7
P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Friday, March 20, 2015 1:50 PM
To: Vallano, Dena
Subject: this years ANP...

Dena,

I would like your input on some wording for our upcoming annual network plan. Specifically, I'm trying to figure out what to say about 1) the "control site monitor" that we are requiring State Parks to install downwind of a non-riding area, and 2) the H2S monitor that we are requiring Freeport McMoran to install at their Price Canyon Oil field.

For the Introduction I have:

In 2015 we also anticipate that two new source-oriented monitoring stations will commence operation. First, the SLOCAPCD has required the operator of the Price Canyon Oilfield to begin ambient monitoring for hydrogen sulfide at the field, which is located between the cities of Pismo Beach and San Luis Obispo. Second, through local rule 1001, we have required the California Department of Parks and Recreation to establish a PM₁₀ monitor downwind of undisturbed, natural sand dunes within the Oceano Dunes State Vehicular Recreation Area (ODSVRA), a California State Park. The purpose of this monitor is to measure baseline, natural emissions. These measurements will be compared to PM₁₀ levels measured at our CDF monitoring station, which is located downwind of the part of the ODSVRA where off-highway vehicle activity occurs. Both sites will be operated by the permit holders (or their contractors), and both are required report raw data to the SLOCAPCD in real time and

submit validated data in a timely fashion.

Then later I have a section called "Non-SLAMS Monitoring in San Luis Obispo County" which reads:

Oceano Dunes Monitoring

Frequent exceedences of the California Ambient Air Quality Standard for 24-hour PM_{10} (50 mg/m^3) are observed downwind of the ODSVRA on the Nipomo Mesa. To address these exceedences, the SLOCAPCD Board of Directors approved Coastal Dunes Dust Control Rule 1001. The rule requires, *inter alia*, that the ODSVRA operator (i.e., California State Parks) monitor PM_{10} levels in at least two locations within or downwind of the ODSVRA: one downwind of an area where off-road vehicle activity is allowed ("riding area monitor"), and another downwind of a comparable area where off-road vehicle activity is not allowed ("control site monitor"). This monitoring is to be performed with continuous FEM monitors.

SLOCAPCD and the operator have agreed to use our CDF monitoring station as the riding area monitor. This site will continue to be operated by SLOCAPCD as a SLAMS. The operator is in the process of establishing the control site monitor within the ODSVRA. Rule 1001 requires this monitor to be operational and reporting data by May 31, 2015. It will be operated by a contractor, and raw data will be sent to SLOCAPCD in real-time. Validated data will be reviewed by the District, and we will upload the data to AQS. This site will be designated as special purpose monitor in AQS rather than as a SLAMS.

Also of note, in 2013 the operator conducted a PM_{10} monitoring campaign within the ODSVRA using non-FEM, MetOne E-BAM monitors. The PM_{10} levels observed within the ODSVRA were generally much higher than those recorded downwind at our CDF and Mesa2 SLAMS. Contractors for the operator also made several hundred emissivity measurements of the dune surface. Reports summarizing the results of these campaigns are available on the District website.[reference to webpage w reports].

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Any thoughts on this wording or the plan to call the control site monitor an SPM in AQS and not report the H_2S monitor to AQS at all?

Thanks,
Karl

Karl A Tupper
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Air Pollution Control District
County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org
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From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: Re: this years ANP...
Date: Tuesday, March 24, 2015 3:52:45 PM

Thanks Dena, this is great feedback. I am not sure whether we will know the siting or instrument details by the time we need to put the ANP out for comment, but I will include whatever info I can get.

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
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email: ktupper@co.slo.ca.us
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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 03/24/2015 10:41AM
Subject: Re: this years ANP...

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Dena

Dena Vallano, PhD
ORISE Research Fellow
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Air Division, U.S. EPA
75 Hawthorne St. AIR-7
P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Friday, March 20, 2015 1:50 PM
To: Vallano, Dena

Subject: this years ANP...

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Thanks,

Karl

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County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org
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[Scanned @co.slo.ca.us]

From: [Vallano, Dena](#)
To: ktupper@co.slo.ca.us
Subject: Visit to SLO in January/February?
Date: Tuesday, December 16, 2014 1:42:00 PM

Hi Karl,

At the CAPCOA Sensors Workshop this past November, Jaime extended an invitation to come down and visit SLOAPCD. I recently met with Meredith and she has given me the thumbs up for a 1-day visit to SLO this January/February if you're still interested in scheduling an in-person meeting and site visit to Atascadero. Perhaps we can touch base after the holidays to schedule, but Jan 15-16 and the week of Jan 28-30 are open for me at the moment.

Also, I'm planning to get you answers on the California State Parks PM10 monitoring questions at our next team meeting in January. Thank you for your patience!

Happy Holidays,
Dena

Dena Vallano, PhD
ORISE Research Fellow
Office of Research and Development/Air Quality Analysis Office
U.S. EPA, Region 9
Phone: 415.972.3134
Email: vallano.dena@epa.gov

mailing address:
U.S. Environmental Protection Agency
Air Quality Analysis Office (AIR-7)
75 Hawthorne Street
San Francisco, CA 94105

From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: Re: Visit to SLO in January/February?
Date: Friday, February 06, 2015 1:32:28 PM

Dena,

All good. We'll see you ~9:30 and we can travel by District vehicle.

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
Air Pollution Control District
County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org

-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 02/06/2015 01:27PM
Subject: Re: Visit to SLO in January/February?

Hi Karl,

Let's meet at the office first if that's best - I don't mind the extra 20-25 minutes of driving. I'm still planning to arrive ~9:30am if that works for you.

Also, I'm planning to spend the rest of the weekend in SLO/Big Sur with my fiance, so he is considering dropping me off that morning and going for a hike during our meetings and visit. It's certainly not necessary, but would it be ok if I didn't have my own vehicle during the day and traveled with you to the sites? Our plans are totally flexible, so I'm also happy to drop him off somewhere and keep my car if that is more convenient.

And sounds great about Jaime and Aeron - I look forward to seeing all of you in person next week.

Dena

Dena Vallano, PhD
ORISE Research Fellow
Air Quality Analysis Office

Air Division, U.S. EPA
75 Hawthorne St. AIR-7
P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>

Sent: Friday, February 6, 2015 8:53 AM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

Dena,

Just checking in: Next Friday, do you want to meet first at our office (3433 Roberto Ct., San Luis Obispo), or at the current site (6005 Lewis Ave, Atascadero). Meeting in Atascadero will shave about 20 to 25 min off your drive, but it's not the most comfortable place to have a conversation: no place to sit, no bathroom, no internet, etc. (Though I suppose we could go to a nearby coffee shop if want to sit and have a meeting after seeing the sites.) Either is fine with me. FYI, my (new) boss Aeron Arlin-Genet will probably come along. She the manager of our Compliance, Monitoring, and Outreach Division. Jaime may come as well.

Karl

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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>

From: "Vallano, Dena" <Vallano.Dena@epa.gov>

Date: 01/20/2015 02:51PM

Subject: Re: Visit to SLO in January/February?

I think it should take me ~2.5 hrs to get to your office from Santa Cruz, so lets aim for ~9:30am in case there is some traffic. And I'd leave sometime early afternoon depending on how long it takes to visit the site. Does that give us enough time to check out the new site?

Thanks!

D

Dena Vallano, PhD
ORISE Research Fellow
Air Quality Analysis Office
Air Division, U.S. EPA
75 Hawthorne St. AIR-7

P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>

Sent: Friday, January 16, 2015 2:51 PM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

Sounds good. I've got it penciled in. What time you think you'll be here?

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>

From: "Vallano, Dena" <Vallano.Dena@epa.gov>

Date: 01/16/2015 02:35PM

Subject: Re: Visit to SLO in January/February?

Great! How does Friday the 13th sound (aside from making sure no black cats cross our paths while at the site)?

Thank you for accommodating the schedule change,

D

Dena Vallano, PhD
ORISE Research Fellow
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Air Division, U.S. EPA
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P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>

Sent: Friday, January 16, 2015 2:14 PM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

My schedule is pretty open. Any Monday or Friday ought to work for me.

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
Air Pollution Control District
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ph: 805.781.5912
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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/16/2015 12:18PM
Subject: Re: Visit to SLO in January/February?

Hi Karl,

I may have a conflict on Jan 30th that would prohibit me from visiting SLO that day. Are there any alternative dates in February that might work well for you? Mondays and Fridays work best for me. Thanks!

Dena

Dena Vallano, PhD
ORISE Research Fellow
Air Quality Analysis Office
Air Division, U.S. EPA
75 Hawthorne St. AIR-7
P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Tuesday, December 16, 2014 3:59 PM
To: Vallano, Dena
Subject: RE: Visit to SLO in January/February?

I'll pencil in the 30th.

We don't have a move date yet--a lot of details still need to be worked out. The fire station would like us out by the end of the year, but that's not happening. My contact at the (proposed) new site is on vacation 12/19/14 thru 1/5/15 and we haven't worked out any of the details about getting power or phone at the new site. Nor has the drafting of a lease/MOU begun yet. I'm talking with him tomorrow or Thursday about these things, but I'm not going to move anything until I've at least got power to hook up to and a lease/MOU in the works and looking good. So I'm

guess that's not happening until early January at the earliest, given my contact's vacation. But given the fire station's timeline, I'd like to be out ASAP.

As for alternative dates, these work:

Monday Dec 22
Monday Dec 29
Tuesday Dec 30
Monday-Friday Jan 5 - 9
Monday Jan 12
Monday Jan 19

I hope you are well.

Thanks,

karl

Karl A Tupper
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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 12/16/2014 03:18PM
Subject: RE: Visit to SLO in January/February?

Ok let's tentatively try for Jan 30th for now. When is the planned move date? In the meantime, I can see if an earlier visit is possible – what dates would work best for you?

D

Dena Vallano, PhD
ORISE Research Fellow
Office of Research and Development/Air Quality Analysis Office
U.S. EPA, Region 9
Phone: 415.972.3134
Email: vallano.dena@epa.gov

mailing address:
U.S. Environmental Protection Agency

Air Quality Analysis Office (AIR-7)
75 Hawthorne Street
San Francisco, CA 94105

From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]

Sent: Tuesday, December 16, 2014 3:03 PM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

Hi Dena,

Jan 15/16 doesn't work for me, but 28-30 does. One potential issue with the later date is that we will probably already be pretty far along with the move, maybe even done by then. Even if the move is already completed by then, it would probably still be useful for you to see it. Time permitting, it would probably also be informative for you to see our South County sites that are influenced by the Dunes.

Karl

Karl A Tupper
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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 12/16/2014 01:42PM
Subject: Visit to SLO in January/February?

Hi Karl,

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From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: Re: Visit to SLO in January/February?
Date: Friday, February 06, 2015 8:54:02 AM

Dena,

Just checking in: Next Friday, do you want to meet first at our office (3433 Roberto Ct., San Luis Obispo), or at the current site (6005 Lewis Ave, Atascadero). Meeting in Atascadero will shave about 20 to 25 min off your drive, but it's not the most comfortable place to have a conversation: no place to sit, no bathroom, no internet, etc. (Though I suppose we could go to a nearby coffee shop if want to sit and have a meeting after seeing the sites.) Either is fine with me. FYI, my (new) boss Aeron Arlin-Genet will probably come along. She the manager of our Compliance, Monitoring, and Outreach Division. Jaime may come as well.

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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/16/2015 02:35PM
Subject: Re: Visit to SLO in January/February?

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P: 415.972.3134

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Sent: Friday, January 16, 2015 2:14 PM
To: Vallano, Dena
Subject: Re: Visit to SLO in January/February?

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County of San Luis Obispo

ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org

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Hi Karl,

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Also, I'm planning to get you answers on the California State Parks PM10 monitoring questions at our next team meeting in January. Thank you for your patience!

Happy Holidays,

Dena

Dena Vallano, PhD

ORISE Research Fellow

Office of Research and Development/Air Quality Analysis Office

U.S. EPA, Region 9

Phone: 415.972.3134

Email: vallano.dena@epa.gov

mailing address:

U.S. Environmental Protection Agency
Air Quality Analysis Office (AIR-7)
75 Hawthorne Street
San Francisco, CA 94105

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From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Subject: Re: Visit to SLO in January/February?
Date: Friday, January 16, 2015 2:35:43 PM

Great! How does Friday the 13th sound (aside from making sure no black cats cross our paths while at the site)?

Thank you for accommodating the schedule change,
D

Dena Vallano, PhD
ORISE Research Fellow
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Air Division, U.S. EPA
75 Hawthorne St. AIR-7
P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Friday, January 16, 2015 2:14 PM
To: Vallano, Dena
Subject: Re: Visit to SLO in January/February?

My schedule is pretty open. Any Monday or Friday ought to work for me.

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
Air Pollution Control District
County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org

-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/16/2015 12:18PM
Subject: Re: Visit to SLO in January/February?

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From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>

Sent: Tuesday, December 16, 2014 3:59 PM

To: Vallano, Dena

Subject: RE: Visit to SLO in January/February?

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As for alternative dates, these work:

Monday Dec 22

Monday Dec 29

Tuesday Dec 30

Monday-Friday Jan 5 - 9

Monday Jan 12

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I hope you are well.

Thanks,

karl

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From: ktupper@co.slo.ca.us [<mailto:ktupper@co.slo.ca.us>]

Sent: Tuesday, December 16, 2014 3:03 PM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

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From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: Re: Visit to SLO in January/February?
Date: Friday, January 16, 2015 2:14:51 PM

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From: "Vallano, Dena" <Vallano.Dena@epa.gov>

Date: 12/16/2014 03:18PM

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From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Subject: Re: Visit to SLO in January/February?
Date: Friday, January 16, 2015 12:18:24 PM

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Sent: Tuesday, December 16, 2014 3:59 PM
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Date: 12/16/2014 03:18PM
Subject: RE: Visit to SLO in January/February?

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From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]
Sent: Tuesday, December 16, 2014 3:03 PM
To: Vallano, Dena
Subject: Re: Visit to SLO in January/February?

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From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 12/16/2014 01:42PM
Subject: Visit to SLO in January/February?

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From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Subject: Re: Visit to SLO in January/February?
Date: Monday, January 12, 2015 1:38:57 PM
Attachments: [AMTAC parallel monitoring guidelines.pdf](#)

Hi Karl,

Sorry for the delay - just getting over a cold and sifting through emails. That's great about the parallel monitoring. I have attached the AMTAC guidelines for parallel monitoring, but unfortunately that's about all that's out there. Hopefully this is helpful, but please let me know if have any additional questions!

Dena

Dena Vallano, PhD
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75 Hawthorne St. AIR-7
P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Tuesday, January 6, 2015 9:44 AM
To: Vallano, Dena
Subject: RE: Visit to SLO in January/February?

Hi Dena,

We have a PM2.5 BAM and an ozone monitor (Teledyne T200) up at the new site. At this point we have about 3 weeks of data for the parallel monitoring. Are there any guidelines that you can point me too for assessing compatibility? For example, for collocated PM2.5 monitors, the DQO is a CV 10%--but this is for collocated monitors; presumably such a criterion for parallel monitoring would not be quite as tight. Please let me know!

Karl

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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 12/16/2014 03:18PM
Subject: RE: Visit to SLO in January/February?

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From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]

Sent: Tuesday, December 16, 2014 3:03 PM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

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From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: RE: Visit to SLO in January/February?
Date: Tuesday, January 06, 2015 9:44:33 AM

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From: ktupper@co.slo.ca.us
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web: www.slocleanair.org

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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 12/16/2014 03:18PM
Subject: RE: Visit to SLO in January/February?

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ORISE Research Fellow

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Phone: 415.972.3134

Email: vallano.dena@epa.gov

mailing address:

U.S. Environmental Protection Agency

Air Quality Analysis Office (AIR-7)

75 Hawthorne Street

San Francisco, CA 94105

From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]

Sent: Tuesday, December 16, 2014 3:03 PM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

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Date: 12/16/2014 01:42PM

Subject: Visit to SLO in January/February?

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Happy Holidays,

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[Scanned @co.slo.ca.us]

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From: [Vallano, Dena](#)
To: ktupper@co.slo.ca.us
Subject: RE: Visit to SLO in January/February?
Date: Tuesday, December 16, 2014 3:18:00 PM

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From: [Vallano, Dena](#)
To: ktupper@co.slo.ca.us
Subject: RE: Visit to SLO in January/February?
Date: Tuesday, February 17, 2015 4:39:00 PM

Karl,

Thanks for hosting me last Friday. It was great to touch base with you and visit the sites. I have a much better sense for Atascadero and the dunes-related monitoring as a result of the trip. And thank you for the parallel monitoring data and report link – I'll let you know if I have any additional questions.

I'll also talk with Meredith about a potential follow-up visit this May-June and/or a potential meeting in SF.

We ended up hitting the road right away so we could grab a campsite before the crowds moved in. It was a gorgeous weekend in Big Sur – but now I'm back in foggy cold SF ☺

D

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From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>

Sent: Friday, February 6, 2015 8:53 AM

To: Vallano, Dena

Subject: Re: Visit to SLO in January/February?

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From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>

Sent: Friday, January 16, 2015 2:14 PM

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From: ktupper@co.slo.ca.us
To: [Vallano, Dena](#)
Subject: Re: Visit to SLO in January/February?
Date: Friday, February 13, 2015 3:11:13 PM
Attachments: [parallel summary.pptx](#)

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Date: 12/16/2014 01:42PM
Subject: Visit to SLO in January/February?

Hi Karl,

At the CAPCOA Sensors Workshop this past November, Jaime extended an invitation to come down and visit SLOAPCD. I recently met with Meredith and she has given me the thumbs up for a 1-day visit to SLO this January/February if you're still interested in scheduling an in-person meeting and site visit to Atascadero. Perhaps we can touch base after the holidays to schedule, but Jan 15-16 and the week of Jan 28-30 are open

for me at the moment.

Also, I'm planning to get you answers on the California State Parks PM10 monitoring questions at our next team meeting in January. Thank you for your patience!

Happy Holidays,

Dena

Dena Vallano, PhD

ORISE Research Fellow

Office of Research and Development/Air Quality Analysis Office

U.S. EPA, Region 9

Phone: 415.972.3134

Email: vallano.dena@epa.gov

mailing address:

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From: [Vallano, Dena](#)
To: KTUPPER@CO.SLO.CA.US
Subject: Re: Visit to SLO in January/February?
Date: Friday, February 06, 2015 1:27:46 PM

Hi Karl,

Let's meet at the office first if that's best - I don't mind the extra 20-25 minutes of driving. I'm still planning to arrive ~9:30am if that works for you.

Also, I'm planning to spend the rest of the weekend in SLO/Big Sur with my fiancé, so he is considering dropping me off that morning and going for a hike during our meetings and visit. It's certainly not necessary, but would it be ok if I didn't have my own vehicle during the day and traveled with you to the sites? Our plans are totally flexible, so I'm also happy to drop him off somewhere and keep my car if that is more convenient.

And sounds great about Jaime and Aeron - I look forward to seeing all of you in person next week.

Dena

Dena Vallano, PhD
ORISE Research Fellow
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From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Friday, February 6, 2015 8:53 AM
To: Vallano, Dena
Subject: Re: Visit to SLO in January/February?

Dena,

Just checking in: Next Friday, do you want to meet first at our office (3433 Roberto Ct., San Luis Obispo), or at the current site (6005 Lewis Ave, Atascadero). Meeting in Atascadero will shave about 20 to 25 min off your drive, but it's not the most comfortable place to have a conversation: no place to sit, no bathroom, no internet, etc. (Though I suppose we could go to a nearby coffee shop if want to sit and have a meeting after seeing the sites.) Either is fine with me. FYI, my (new) boss Aeron Arlin-Genet will probably come along. She the manager of our Compliance, Monitoring, and Outreach Division. Jaime may come as well.

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
Air Pollution Control District
County of San Luis Obispo
ph: 805.781.5912
email: ktupper@co.slo.ca.us
web: www.slocleanair.org

-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/20/2015 02:51PM
Subject: Re: Visit to SLO in January/February?

I think it should take me ~2.5 hrs to get to your office from Santa Cruz, so lets aim for ~9:30am in case there is some traffic. And I'd leave sometime early afternoon depending on how long it takes to visit the site. Does that give us enough time to check out the new site?

Thanks!
D

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P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Friday, January 16, 2015 2:51 PM
To: Vallano, Dena
Subject: Re: Visit to SLO in January/February?

Sounds good. I've got it penciled in. What time you think you'll be here?

Karl

Karl A Tupper
Air Quality Specialist, Monitoring
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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/16/2015 02:35PM
Subject: Re: Visit to SLO in January/February?

Great! How does Friday the 13th sound (aside from making sure no black cats cross our paths while at the site)?

Thank you for accommodating the schedule change,
D

Dena Vallano, PhD

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From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Friday, January 16, 2015 2:14 PM
To: Vallano, Dena
Subject: Re: Visit to SLO in January/February?

My schedule is pretty open. Any Monday or Friday ought to work for me.

Karl

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-----"Vallano, Dena" <Vallano.Dena@epa.gov> wrote: -----

To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 01/16/2015 12:18PM
Subject: Re: Visit to SLO in January/February?

Hi Karl,

I may have a conflict on Jan 30th that would prohibit me from visiting SLO that day. Are there any alternative dates in February that might work well for you? Mondays and Fridays work best for me. Thanks!

Dena

Dena Vallano, PhD
ORISE Research Fellow
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P: 415.972.3134

From: ktupper@co.slo.ca.us <ktupper@co.slo.ca.us>
Sent: Tuesday, December 16, 2014 3:59 PM
To: Vallano, Dena
Subject: RE: Visit to SLO in January/February?

I'll pencil in the 30th.

We don't a move date yet--a lot of details still need to be worked out. The fire station

would like us out by the end of the year, but that's not happening. My contact at the (proposed) new site is on vacation 12/19/14 thru 1/5/15 and we haven't worked out any of the details about getting power or phone at the new site. Nor has the drafting of a lease/MOU begun yet. I'm talking with him tomorrow or Thursday about these things, but I'm not going to move anything until I've at least got power to hook up to and a lease/MOU in the works and looking good. So I'm guess that's not happening until early January at the earliest, given my contact's vacation. But given the fire station's timeline, I'd like to be out ASAP.

As for alternative dates, these work:

Monday Dec 22
Monday Dec 29
Tuesday Dec 30
Monday-Friday Jan 5 - 9
Monday Jan 12
Monday Jan 19

I hope you are well.

Thanks,

karl

Karl A Tupper
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To: "KTUPPER@CO.SLO.CA.US" <KTUPPER@CO.SLO.CA.US>
From: "Vallano, Dena" <Vallano.Dena@epa.gov>
Date: 12/16/2014 03:18PM
Subject: RE: Visit to SLO in January/February?

Ok let's tentatively try for Jan 30th for now. When is the planned move date? In the meantime, I can see if an earlier visit is possible – what dates would work best for you?

D

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From: ktupper@co.slo.ca.us [mailto:ktupper@co.slo.ca.us]

Sent: Tuesday, December 16, 2014 3:03 PM
To: Vallano, Dena
Subject: Re: Visit to SLO in January/February?

Hi Dena,

Jan 15/16 doesn't work for me, but 28-30 does. One potential issue with the later date is that we will probably already be pretty far along with the move, maybe even done by then. Even if the move is already completed by then, it would probably still be useful for you to see it. Time permitting, it would probably also be informative for you to see our South County sites that are influence by the Dunes.

Karl

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